

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/003374

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B41F31/22 B41K3/60

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B41F B41K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 24 470 A1 (WINDMOELLER & HOELSCHER, 49525 Lengerich, DE) 12 March 1998 (1998-03-12) column 3, lines 20,21,31,32,48,49; figures 1-3	1-10
A	DE 16 35 388 A1 (JOH. KLEINWEFERS SOEHNE) 24 February 1972 (1972-02-24) the whole document	1-10
A	US 2 319 616 A (LUEHRS HANS J) 18 May 1943 (1943-05-18) column 1, lines 43-45; figure 1	1-10
A	US 6 234 078 B1 (KESSLER JOHN R) 22 May 2001 (2001-05-22) cited in the application the whole document	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

25/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Duquénoy, A

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

WIPO/IB2004/003374

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19624470	A1	12-03-1998	ES 2151352 A1 GB 2314292 A ,B IT BZ970035 A1 JP 10052911 A	16-12-2000 24-12-1997 18-12-1998 24-02-1998
DE 1635388	A1	24-02-1972	NONE	
US 2319616	A	18-05-1943	US 2319615 A	18-05-1943
US 6234078	B1	22-05-2001	US 5906161 A AU 753873 B2 AU 2524200 A BR 0001562 A CA 2302026 A1 CN 1270892 A ,C EP 1050406 A1 TW 431971 B US 2001010195 A1 CA 2252114 A1 DE 69805738 D1 DE 69805738 T2 EP 0922579 A2	25-05-1999 31-10-2002 12-10-2000 09-10-2001 08-10-2000 25-10-2000 08-11-2000 01-05-2001 02-08-2001 10-06-1999 11-07-2002 06-02-2003 16-06-1999